



Congressman John Yarmuth

FEDERAL GRANTS ALERT

August 2012

Office of Elementary and Secondary Education (OESE): Innovative Approaches to Literacy

Department of Education

This opportunity supports programs designed to promote childhood literacy activities and book distribution efforts within high-need local educational agencies and schools. Projects should aim to improve early literacy, motivate older children to read, and increase student achievement by using school libraries, free book distribution, and high-quality literacy activities. Methods include: 1) increasing access to print or electronic resources; 2) providing literacy activities with opportunities for parental engagement; 3) strengthening literacy development across academic content areas by providing resources spanning a range of both complexity and content; 4) offering appropriate educational interventions; and 5) fostering collaboration and joint professional development opportunities for teachers, school leaders, and school libraries.

Eligible Applicants: Independent school districts; nonprofits; high-need local educational agencies.

Deadline: August 10, 2012

Estimated Total Program Funding: \$28,599,844

Contact: U.S. Department of Education: Peter Eldridge; 202-260-2514; peter.eldridge@ed.gov.

Vocational Rehabilitation (VR) and Developing Strategies to Meet Employer Needs

Department of Education

The purpose of this grant is to develop strategies to meet employer needs in changing economic environments while improving services for persons with disabilities under the Rehabilitation Act. Recipients will improve rehabilitation methodology and service delivery systems, alleviate disabling conditions, and promote maximum social and economic independence for persons with disabilities. Long term goals of this program include maximizing the full inclusion and integration into society, employment, independent living, family support, and economic and

social self sufficiency of individuals with disabilities, especially individuals with the most severe disabilities.

Eligible Applicants: State governments; for-profit organizations; nonprofits; public or private organizations.

Deadline: August 27, 2012

Award Ceiling: Up to \$650,000

Contact: U.S. Department of Education: Lynn Medley; 202-245-7338; lynn.medley@ed.gov.
Marlene Spencer; 202-245-7532; marlene.spencer@ed.gov.

Staffing for Adequate Fire and Emergency Response

Department of Homeland Security – FEMA

The purpose of this grant is to improve or restore local fire departments' staffing and deployment capabilities so that departments may more effectively respond to emergencies. Grants advance both hiring firefighters and recruiting and retaining volunteer firefighters. With enhanced staffing, emergency response times will be reduced and an appropriate number of personnel will be equipped to respond.

Eligible Applicants: County, city, or township governments; fire departments.

Deadline: August 10, 2012

Estimated Total Program Funding: \$32,062,500

Contact: Help Desk; 1-866-274-0960; firegrants@dhs.gov. Grant Programs Directorate; 866-927-5646; ASK-GMD@dhs.gov.

Public Works and Economic Adjustment Assistance Programs Opportunity

Economic Development Administration

This opportunity is designed to address a wide variety of economic needs by providing flexible resources that lead to job creation and enhanced private investment in distressed communities. Proposed economic development efforts should establish durable economies domestically by using bottom-up strategies that build on regional assets to spur economic growth and resiliency. Methods include providing construction assistance, public works, technical assistance, economic recovery strategies, and revolving loan fund projects. Projects should aim to help rural and urban communities develop initiatives that advance new ideas and creative approaches to evolving economic conditions.

Eligible Applicants: State, county, city or township governments; public, private or state institutions of higher education; nonprofits.

Deadline: September 14, 2012

Estimated Total Program Funding: \$16,170,000

Contact: Regional Director: H. Philip Paradise, Jr.; 404-730-3002; pparadice@eda.doc.gov.
Kentucky Representative: Pamela Farmer; 404-730-3026; pfarmer@eda.doc.gov.

Partnerships for Innovation: Accelerating Innovation Research

National Science Foundation

This opportunity funds two programs designed to accelerate innovation that results in the creation of new wealth and the building of strong local, regional, and national economies. The first choice, Technology Translation, encourages the translation of technologically-promising research discoveries made by prior and/or current NSF-funded investigators toward a path of commercialization; while the second choice, Research Alliance, promotes synergistic collaborations between an existing NSF-funded research alliance (including consortia such as Engineering Research Centers, Industry University Cooperative Research Centers, Science and Technology Centers, Nanoscale Science and Engineering Centers, Materials Research Science and Engineering Centers, Centers for Chemical Innovation, and Emerging Frontiers in Research and Innovation grantees) and other public and private entities to motivate the translation and transfer of research discoveries into innovative technologies and commercial reality.

Eligible Applicants: Public, private or state institutions of higher education.

Letter of Intent Deadline: September 12, 2012

Award Ceiling: Up to \$800,000

Contact: Program Director: Karlene A. Hoo; 703-292-4609; khoo@nsf.gov.

Innovation Corps - Regional Node Program

National Science Foundation

The purpose of this opportunity is to develop and nurture a national innovation ecosystem that builds upon fundamental research to guide the output of scientific discoveries closer to the development of technologies, products and processes that benefit society. The National Science Foundation plans to build upon the I-Corps program and establish a National Innovation Network comprised of I-Corps Regional Nodes that will support the needs for innovation research and education. NSF is seeking to build a network of regional nodes that will work cooperatively to establish, utilize and sustain a national innovation ecosystem that further enhances the development of technologies, products and processes that benefit society. The interconnected nodes of this network may be diverse in research areas, resources, tools, programs, capabilities, and in geographic locations - while the network will have the flexibility to grow or reconfigure as needs arise. I-Corps Regional Nodes will foster understanding on how to: 1) identify, develop and support promising ideas that can generate value, 2) create and implement tools and resources that enhance our nation's innovation capacity, 3) gather, analyze, evaluate and utilize the data and insight resulting from the experiences of those participating in the I-Corps program and 4) share and leverage effective innovation practices on a national scale - to improve the quality of life for the U.S. citizenry.

Eligible Applicants: Public, private or state institutions of higher education.

Deadline: October 19, 2012

Award Amount: \$350,000 to \$1,250,000

Contact: Don L. Millard; 703-292-4620; dmillard@nsf.gov.

Laura Bush 21st Century Librarian Program

Institute of Museum and Library Services

The purpose of this program is to develop the knowledge, skills, and abilities of the library and archives workforce to meet the information needs of the nation. Projects should accomplish one of the following: 1) increase the number of students enrolled in doctoral programs that prepare the next generation of library and archives leaders to assume leadership positions as managers and administrators; 2) educate the next generation of librarians and archivists in nationally accredited graduate library programs; 3) promote the early career development of new faculty members in library and information sciences by supporting innovative research by untenured, tenure-track faculty; 4) develop or enhance curricula within graduate schools of library and information science to meet the needs of cultural heritage and information professionals; 5) improve the knowledge, skills, and abilities of library and archives staff through programs of continuing education, both formal and informal.

Eligible Applicants: Public, private, digital, elementary, secondary school, university, and research libraries; consortiums; public archives for scholarly research; school districts, municipalities, state agencies, or academic institutions responsible for library administration; state or local governments; nonprofits.

Deadline: September 24, 2012

Award Amount: \$50,000 to \$500,000

Contact: Senior Library Program Officer: Dr. Mary Alice Ball, ALMS; 202-653-4730; mball@imls.gov. Senior Library Program Officer: Dr. Kevin Cherry, MSLS; 202-653-4662; kcherry@imls.gov. Library Program Specialist: Traci Rucker; 202-653-4689; truckerr@imls.gov.

Social and Behavioral Interventions to Increase Solid Organ Donation

U.S. Department of Health and Human Services

The purpose of this grant program is to increase organ donation from deceased donors and identify successful models for educating about living donation. Grants will support sound applied research efforts to test the effectiveness of strategies that target the following: 1) community initiatives to increase the public's commitment to donation; 2) hospital-based efforts to increase family consent for donation; 3) educate individuals who may need transplants and individuals considering serving as a living donor; and 4) raise awareness about the process, risks, advantages, and disadvantages of deceased and living organ donation.

Eligible applicants: State, council, special, city or township governments; public, private or state institutions of higher education; public housing authorities; nonprofits; for profit organizations; small businesses.

Deadline: November 30, 2012

Award Ceiling: Up to \$1,250,000

Contact: Rita Maldonado; 301-443-3622; maldonado@hrsa.gov.

OJJDP FY 2012 Juvenile Justice Reform and Reinvestment Demonstration Program

Office of Juvenile Justice and Delinquency Prevention

The purpose of this program is to align juvenile justice services and costs to ensure the provision of the right services, for the right youth, for the right duration of time, despite limited government funding. This opportunity promotes informed decisions about resources and services among juvenile justice agencies. Projects must evaluate outcomes at two levels: 1) the point of service level by conducting risk and needs assessments for system-involved youth and local service providers; and 2) the systemic level by tracking and assessing juvenile justice costs and outcomes for youth. Awardees are expected to participate in training and technical assistance and complete an evaluation of this initiative.

Eligible applicants: State, council, special, city or township governments; public or state institutions of higher education; local administering agencies for juvenile justice.

Deadline: August 23, 2012

Award Amount: Up to \$750,000

Contact: Justice Information Center; 1-877-927-5657; JIC@telesishq.com.

Advancing Community-level Approaches to Reduce HIV Infection in Highly Impacted Communities

National Institutes of Health

This program encourages research to advance our understanding of community-level HIV-prevention and care interventions among geographic locations and specific populations highly impacted by HIV. The goal of this program is to lower HIV infections and HIV viral load by changing individual behaviors through cost-effective and sustainable means. Proposed interventions should be efficacious yet widely impactful, targeting communities defined by geographic proximity, race, sexual orientation, economic status, education level, etc. Proposed interventions should also take into consideration the existing agencies or organizations that are capable of adopting the interventions that are ultimately developed and tested.

Eligible applicants: State, council, special, city or township governments; public, private or state institutions of higher education; independent school districts; public housing authorities; nonprofits; for profit organizations; small businesses.

Letter of Intent Deadline: December 11, 2012

Estimated Total Program Funding: \$2,500,000

Contact: National Institute of Mental Health: Susannah Allison, Ph.D.; 301-443-3952; allisonsu@mail.nih.gov. National Institute on Drug Abuse: Richard Jenkins, Ph.D.; 301-443-1923; jenkinsri@nida.nih.gov.

Partnerships for Innovation: Building Innovation Capacity

National Science Foundation

This program aims to produce market-valued solutions through a partnership between academe and small technology-based businesses. An academic institution would partner with at least two small technology-based businesses that are not in direct competition with each other to carry out early translational-research activities. The primary aims are: 1) to build the innovation capacity

of the individual participants; 2) to increase the viability of the small business concerns; and 3) to develop the next-generation workforce by providing opportunities for students. The ideal project would consist of exploration, re-definition, and creation of a novel platform that can be applied to many markets. Some examples of platforms include laser-based technologies, customizable software algorithms, nano-structured materials, and energy conservation or storage technologies.

Eligible applicants: Public, private or state institutions of higher education.

Letter of Intent Deadline: September 26, 2012

Award Amount: Up to \$600,000

Contact: Program Director: Sara Nerlove; (703) 292-7077; snerlove@nsf.gov. Division of Industrial Innovation and Partnerships: Donald Senich; 703-292-7082; dsenich@nsf.gov.

DoD Spinal Cord Injury Translational Research Award

Department of the Army

This program funds projects targeted to improve the health and well-being of military Service members, Veterans, and other individuals living with spinal cord injury (SCI). Projects should design innovative research approaches to address the neglected issues of SCI: 1) pre-hospital care and early hospital management; 2) pressure ulcers, autonomic and bowel dysfunction; 3) neuropathic pain and sensory dysfunction; and 4) respiratory dysfunction, sleep disordered breathing, and ventilation management. Alignment with current Department of Defense research and collaboration with military researchers and clinicians is encouraged.

Eligible applicants: Unrestricted

Deadline: October 1, 2012

Estimated Total Program Funding: \$2,400,000

Contact: Grants.gov Contact Center; 1-800-518-4726; support@grants.gov.

Software Infrastructure for Sustained Innovation

National Science Foundation

This program funds the creation of software that supports new advances in the chemical sciences. Projects should enable researchers to prototype and test new algorithms flexibly, leverage new heterogeneous architectures rapidly, and explore new data-enabled scenarios. Areas of interest include: 1) exploring the chemical roots of biological complexity; 2) identifying fundamentally sustainable chemistry; 3) predicting energy landscapes of reactive systems; 4) predicting macroscopic properties starting from atoms and molecules; 4) harnessing light energy to bring about chemical change or generate electricity; and 5) exploring the role of quantum effects in the dynamics of complex and condensed phase systems. Software should take into account disruptive hardware trends, ever-increasing data volumes, complex application structures, fault-tolerance, and energy efficiency. Across the spectrum, attention should be paid to reducing complexity so that software can be easily used.

Eligible applicants: Public, private or state institutions of higher education; nonprofits; independent museums, observatories, research labs, or professional societies.

Deadline: September 27, 2012

Estimated Total Program Funding: \$4,500,000

Contact: Mathematical and Physical Sciences: Evelyn Goldfield; 703-292-2173; egoldfie@nsf.gov. Cyberinfrastructure: Gabrielle Allen; 703-292-2598; gdallen@nsf.gov. Office of the Director: Daniel Katz; 703-292-2254; dkatz@nsf.gov.

George M. O'Brien Kidney Research Core Centers

National Institutes of Health

Through the creation of Core Centers, this program encourages efficiency and collaboration among groups of successful investigators at institutions with established comprehensive kidney research bases, in order to accelerate the translation of insights from basic biology to clinical practice. The primary aims are: 1) to realize a turn in kidney disease incidence in minority populations; 2) to identify pathophysiologic mechanisms of kidney disease that could potentially be targeted for therapeutic interventions; 3) to translate the knowledge of acute kidney injury from experimental models to humans; and 4) to create pilot and feasibility studies to develop and test innovative approaches to therapy. Centers may be located in a single institution or in multiple institutions with complementary resources bases.

Eligible applicants: State, council, special, city or township governments; public, private or state institutions of higher education; public housing authorities; nonprofits; for profit organizations; small businesses.

Letter of Intent Deadline: October 14, 2012

Award Amount: Up to \$750,000

Contact: National Institute of Diabetes and Digestive Kidney Diseases: Dr. Marva Moxey-Mims; 301-594-7717; mm726k@nih.gov. Dr. Paul Kimmel; 301-594-7717; pk77g@nih.gov.

NIH Director's Transformative Research Awards

National Institutes of Health

This program supports collaborative investigative teams or individual scientists who propose transformative research projects, which, if successful, would have a major impact in a broad area of biomedical or behavioral research. To be considered transformative, projects must have the potential to: 1) create or overturn fundamental scientific paradigms through the use of novel approaches; 2) transform the way research is conducted through the development of novel tools or technologies; or 3) lead to major improvements in health through the development of highly innovative therapies, diagnostic tools, or preventive strategies. As a result, applications should reflect ideas substantially different from mainstream concepts.

Eligible applicants: State, council, special, city or township governments; public, private or state institutions of higher education; independent school districts; public housing authorities; nonprofits; for profit organizations; small businesses; agencies of the federal government; faith-based or community-based organizations.

Letter of Intent Deadline: August 21, 2012

Estimated Total Program Funding: \$15,000,000

Contact: Division of Program Coordination, Planning, and Strategic Initiatives: Dr. Ravi Basavappa; 301-435-7204; Transformative_Awards@mail.nih.gov.

Cohort Studies of HIV/AIDS and Substance Use

National Institutes of Health

The goal of this opportunity is to increase the longitudinal cohort studies to address emerging and/or high priority research on HIV/AIDS and substance abuse. Funding will support the development and maintenance of new cohorts or the expansion of existing cohorts to address the natural and treated history of HIV infection in at-risk populations where substance use is a central factor. The intent of this grant is to provide a strong resource platform for current and future collaborative efforts with other investigators to address emerging questions related to HIV infection, prevention, and treatment in the context of substance abuse, as well as to foster the creativity and efficiency of investigator-initiated research goals.

Eligible Applicants: State, county, special district, city or township governments; public, private, or state institutions of higher education; independent school districts; small businesses; for-profit organizations; public housing authorities; nonprofit organizations; small businesses.

Letter of Intent Deadline: November 11, 2012

Award Amount: Unspecified

Contact: National Institute on Drug Abuse: Dr. Jag H. Khalsa.; 301-443-2159; jk98p@nih.gov.
Dr. Diane M. Lawrence; 301-594-3225; lawrencedi@nida.nih.gov.

Improving Coordinated Transportation Systems for People with Disabilities and Older Adults

Administration on Aging

The goal of this project is to identify proven models and approaches that can be used by states and communities across the country to empower people with disabilities and older adults to be actively involved in the design and implementation of coordinated transportation systems in ways that successfully make those systems responsive to the needs of these populations. Applicants seeking funding under this announcement may find it helpful to subcontract out some of the activities undertaken to implement this project to one or more national organizations with a successful track record and demonstrated experience in empowering people with disabilities and older adults to improve systems.

Eligible Applicants: Unrestricted

Deadline: August 14, 2012

Award Amount: Up to \$1,000,000

Contact: U.S. Department of Health and Human Services: Eric Weakly; 202-357-3432; eric.weakly@aoa.hhs.gov.

Research on Psychopathology In Intellectual Disabilities

National Institutes of Health

The goal of this program is to further research that is designed to elucidate the epidemiology, etiology, treatment, and prevention of mental disorders, including emotional and behavioral problems, in persons of any age with intellectual disabilities. Both basic research into the pathogenesis of mental disorders among individuals with intellectual disabilities and studies aimed at clinical diagnosis, treatment, rehabilitation, and service delivery are of interest.

This opportunity calls for research on the following topics in the context of intellectual disabilities: 1) the prevalence rates of mental illness; 2) the development of appropriate psychiatric assessment instruments; 3) the biological and environmental precursors of psychiatric disorders in children; 4) the effectiveness of mental health services, including methods for enhancing treatment compliance while living in the community or attending special education classes; 5) the development of early interventions designed to prevent emotional and behavioral problems in infants and toddlers; 6) the manifestations of particular psychiatric disorders and the response to treatment, and how these may vary as a function of cognitive or functional disability or developmental level; 7) the integration of service delivery models that provide a range of supportive and therapeutic; and 8) the development of novel approaches to diagnosing and treating mental illness in the context of intellectual disabilities.

Eligible Applicants: State, county, special district, city or township governments; public, private, or state institutions of higher education; independent school districts; small businesses; for-profit organizations; public housing authorities; nonprofit organizations; small businesses.

Deadline: May 7, 2015

Award Amount: Unspecified.

Contact: National Institute of Mental Health: Dr. Lisa Gilotty; 301-443-3825; gilottyl@mail.nih.gov.

NEH/DFG Bilateral Digital Humanities Program

National Endowment for the Humanities

This opportunity is supplied for the development and implementation of digital infrastructures and services for humanities research. These grants provide funding for up to three years in any of the following areas: 1) developing innovative methods, standards and practices for building and merging digital collections that are important to the American and German scholarly research community; 2) developing and implementing generic tools, methods, and techniques for accessing and processing digital resources relevant to humanities research; 3) ensuring the completion and long-term sustainability of existing digital resources; 4) creating new digital modes of scholarly communication and publishing that facilitate international cooperation and dissemination of humanities scholarship; and 5) developing models and case studies for effectively managing digital data generated in humanities research projects.

Eligible Applicants: State, county, special district, city or township; public private or state institutions of higher education; nonprofit organizations. Requires sponsorship by at least one eligible German individual or institution, and at least one U.S. institution with a project director from each country.

Deadline: September 27, 2012

Estimated Total Program Funding: \$350,000

Contact: Office of Digital Humanities; odh@neh.gov.

Research Resource for Human Organs and Tissues

National Institutes of Health

This opportunity encourages the continued support and advancement of human organ and tissue research resource as a means to reduce the burden on society of morbidity and mortality of diverse conditions and diseases and understand normal human tissue and organ function. The research resource for human organs and tissues provides a wide variety of human tissues and organs, both diseased and normal, to researchers for laboratory studies. Such samples include tissues from the nervous system, pulmonary system, cardiovascular system, endocrine system, eyes, skin, bone, and cartilage. This opportunity focuses on the availability of human tissues and organs to biomedical researchers in the United States and is expected to facilitate procurement, preservation, and distribution of human tissue and organs to qualified biomedical researchers.

Eligible applicants: State, county, special district, city or township governments; public, private, or state institutions of higher education; independent school districts; small businesses; for-profit organizations; public housing authorities; nonprofit organizations; small businesses.

Deadline: October 23, 2012

Estimated Total Program Funding: \$1,500,000

Contact: GrantsInfo; 301-435-0714; GrantsInfo@nih.gov.

Renal Function and Chronic Kidney Disease in Aging

National Institutes of Health

This opportunity invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in older adults; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in older adults and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons.

Eligible applicants: State, county, special district, city or township governments; public, private, or state institutions of higher education; independent school districts; small businesses; for-profit organizations; public housing authorities; nonprofit organizations; small businesses.

Deadline: January 7, 2016

Award Amount: Up to \$200,000

Contact: GrantsInfo; 301-435-0714; GrantsInfo@nih.gov.

Enduring Questions

National Endowment for the Humanities

This program supports faculty members in the teaching and development of a new course that will foster intellectual community through the study of an enduring question. This question-

driven course will encourage undergraduates and teachers to grapple with a fundamental concern of human life addressed by the humanities, and to join together in a deep and sustained program of reading in order to encounter influential thinkers over the centuries and into the present day. Proposals should consider enduring questions such as: What is good government? Can war be just? What is friendship? What is evil? Are there universals in human nature? What are the origins of the universe?

Eligible Applicants: Public, private, or state controlled institutions of higher education.

Deadline: September 13, 2012

Award Amount: Up to \$25,000

Contact: NEH Division of Education Programs; 202-606-8380; enduringquestions@neh.gov.

Pay for Success Pilot Projects

The Employment and Training Administration, U.S. Department of Labor

This opportunity supports innovative approaches to the design and delivery of employment and training services that generate long-term improvements in the performance of the public workforce system, both in terms of positive results for job seekers and employers and cost-effectiveness. Grants awarded under this SGA model will fund pilots of a Pay for Success model, a new way of financing social services to help governments target limited dollars to achieve a positive, measurable outcome. The Pay for Success model offers a financing solution for preventative social services, such as reduced programmatic costs, more efficient public spending, and better social outcomes. Objectives in establishing this pilot are to: test a model for government investment in preventative and innovative service delivery models that transfers risk to the private sector; learn whether the Pay for Success concept is feasible in the workforce development policy arena; determine whether preventative social services complementing workforce developing program “pays off.” Successful projects will demonstrate the feasibility of the Pay for Success financing model, providing the evidence necessary for state, local, and tribal governments to pursue the Pay for Success approach on their own future.

Eligible applicants: State Workforce Agencies eligible for assistance under Title I of the Workforce Investment Act (WIA) of 1998; local government agencies responsible for workforce programs under Title I of WIA.

Deadline: December 11, 2012

Award Amount: Up to \$12,000,000

Estimated Total Program Funding: \$20,000,000

Contact: Grants Management Specialist: Linda Forman; 202-693-3416.

Improving Diet and Physical Activity Assessment

National Institutes of Health

This grant encourages innovative research to enhance the quality of measurements of dietary intake and physical activity through the development of better instruments, innovative technologies, and/or applications of advanced statistical/analytic techniques. Research proposed in the applications should be aimed at exploring and optimizing innovative combinations of

objective and self-report measures of physical activity or dietary intake in both the general population and its diverse subgroups. Applications may include development of: Novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including older adults; improved technology or applications of existing technology; statistical methods to assess or correct for measurement errors or biases, methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.

Eligible applicants: State, county, special district, city or township governments; public, private, or state institutions of higher education; independent school districts; small businesses; for-profit organizations; public housing authorities; nonprofit organizations.

Deadline: September 7, 2015

Award Amount: Up to \$12,000,000

Contact: GrantsInfo; 301-435-0714; GrantsInfo@nih.gov.

Research in Engineering Education

National Science Foundation

This opportunity supports the creation of a more agile engineering education ecosystem, equally open and available to all members of society, that dynamically and rapidly adapts to meet the changing needs of society and the nation's economy. Research is sought that will inform systemic change across all parts of the ecosystem. Areas of interest include: diversifying pathways to and through engineering degree programs, exploring credentialing in engineering education, understanding how to scale engineering education innovations, advancing engineering learning in broader eco-systems such as innovation, globalization, or sustainability, and developing engineering-specific learning theories.

Eligible Applicants: Unrestricted.

Deadline: September 14, 2012

Estimated Total Program Funding: \$6,000,000

Contact: R. Alan Cheville; 703-292-7107; rchevill@nsf.gov.

NEA GAP: Art Works Deadline 2

National Endowment for the Arts

This opportunity encourages and supports the creation of art that meets the highest standards of excellence; public engagement with diverse and excellent art; lifelong learning in the arts; the strengthening of communities through the arts. Through the creation of art, these projects are intended to replenish and rejuvenate America's enduring cultural legacy. See full announcement for possible activities and programs in each category. Applicants will be asked to select the outcome that is most relevant to their projects, as well as a secondary outcome.

Eligible Applicants: State, county, special district, city or township governments; public, private, or state institutions of higher education; independent school districts; non-profit

organizations.

Deadline: August 9, 2012

Award Amount: \$10,000 to \$100,000

Contact: Music, Opera: brandenburg@arts.gov; Dance, Literature, Theater, Musical Theater: daughern@arts.gov; Folk & Traditional Arts, Local Arts Agencies, Multidisciplinary, Presenting: liut@arts.gov; Design, Media Arts, Museums, Visual Arts: edwardsl@arts.gov.

Advancing Informal STEM Learning

National Science Foundation

This program invests in research and development of innovative and field advancing out of school STEM learning and emerging STEM learning environments. Investigators are invited to propose ideas, concepts, models, and other opportunities for learning and learning environments that will capture the creative and innovative potential of informal STEM learning for the future, and potentially forge new connections across all STEM learning communities. Leveraging new and emerging technologies, STEM learning can now be located and situated wherever the learner is and customized to meet the learner's educational needs. New interdisciplinary collaborations and partnerships for informal learning among academia, industry, and government can greatly advance our nation's goals to produce a scientifically and technologically literate population and workforce.

Eligible Applicants: Unrestricted.

Deadline: January 14, 2013

Estimated Total Program Funding: \$20,000,000

Contact: Program Contact: 703-292-8616; DRLISE@nsf.gov.

Fellowship Programs at Independent Research Institutions

National Endowment for the Humanities

This opportunity supports fellowships at institutions devoted to advanced study and research in the humanities. Fellowships must provide scholars with research time and access to resources that might not be available at their home institutions and may be administered by independent centers for advanced study, libraries, museums and organizations that have expertise in promoting research on foreign cultures. Individual scholars must apply directly to the institutions themselves. A list of currently funded institutions is available.

Eligible Applicants: State, county, city or township governments; public, state and private institutions of higher education; non-profit organizations.

Deadline: August 16, 2012

Award Amount: Up to \$500,000

Contact: Division of Research Programs; 202-606-8200; fpri@neh.gov.

America's Media Makers

National Endowment for the Humanities

Both development and production grants are available for projects that build on sound humanities scholarship, deepen public understanding of significant humanities questions, involve appropriate media professionals (especially a producer, director, writer, or interactive designer), involve humanities scholars in all phases of development and production, appeal to broad regional or national audiences, approach a subject analytically and interpretively through an appropriate variety of perspectives, encourage dialogue and discussion, and employ appealing and accessible program formats that will actively engage the general public in learning. Projects in the following formats are supported: interactive digital media; film and television projects; radio projects. Interactive digital media may be websites, games, mobile applications, virtual environments, streaming video, or podcasts. Film and television projects may be single programs or a series that addresses significant figures, events, or developments and draw their content from humanities scholarship. They must be intended for national distribution. Radio projects may involve single programs, limited series, or segments within an ongoing program vehicle. They may also develop new humanities content to augment existing radio programming or add greater historical background or humanities analysis to the subjects of existing programs. They may be intended for regional or national distribution. NEH encourages projects that feature multiple formats to engage the public in the exploration of humanities ideas. Proposed projects might include complementary components that expand or deepen the audience's understanding of a subject: for example, museum exhibitions, book/film discussion programs, or other formats that enhance the programs' humanities content, engage audiences in new ways, and expand the distribution of programs.

Eligible Applicants: State, county, city or township governments; public, state and private institutions of higher education; non-profit organizations.

Deadline: August 15, 2012

Award Amount: Up to \$1,000,000

Contact: Division of Public Programs; 202-606-8269; publicpgms@neh.gov.

Energy for Sustainability

National Science Foundation

This program supports fundamental research and education that will enable innovative processes for the sustainable production of electricity and transportation fuels. Processes for sustainable energy production must be environmentally benign, reduce greenhouse gas production, and utilize renewable resources. Current interest areas in sustainable energy technologies include Biomass Conversion, Biofuels and Bioenergy; Photovoltaic Solar Energy; Wind Energy; Advanced Batteries for Transportation. The duration of unsolicited awards is typically three years. The average annual award size for the program is \$100,000. Proposals requesting a substantially higher amount than this, without prior consultation with the Program Director, may be returned without review. Innovative proposals outside of these specific interest areas can be considered. However, prior to submission, it is recommended that the PI contact the Program Director to avoid the possibility of the proposal being returned without review.

Eligible Applicants: Unrestricted.

Deadline: March 19, 2013

Award Amount: \$300,000 and Up

Contact: Ram B. Gupta; 703-292-8320; ragupta@nsf.gov.

America's Historical and Cultural Organizations

National Endowment for the Humanities

This opportunity provides support for museums, libraries, historic places, and other organizations that produce public programs in the humanities. Grants support the following formats: exhibitions at museums, libraries, and other venues; interpretations of historic places, sites, or regions; book/film discussion programs; living history presentations; and other face-to-face programs at libraries, community centers, and other public venues; and interpretive websites. All projects should build on sound humanities scholarship; deepen public understanding of significant humanities questions; involve a team of humanities scholars in all phases of development and implementation; appeal to broad audiences; approach a subject analytically and interpretively through an appropriate variety of perspectives; and encourage dialogue and discussion. Both planning and implementation opportunities are available.

Eligible Applicants: State, county, city or township governments; public, state and private institutions of higher education; non-profit organizations.

Deadline: August 15, 2012

Award Amount: Up to \$1,000,000

Contact: Division of Public Programs; 202-606-8269; publicpgms@neh.gov.

Small-Business/ ERC Collaborative Opportunity

Food and Drug Administration

This opportunity supports high quality, small scientific conferences, aligned with the FDA's mission, that exchange information and explore a defined subject, issue, or area of concern that impacts the public's health. A small scientific conference is defined as a symposium, seminar, workshop or any formal meeting, whether conducted face-to-face or virtually. Furthermore, in instances where an ERC is funded with a mission to support the public good through the implementation of critical public engineering systems, this includes facilitating implementations that realize the intended public benefit. The specific goals of this opportunity are to speed the translation of ERC-generated research and technology advances to the marketplace or its implementation into critical public engineering systems and engage undergraduate and graduate students more directly in the innovation process through collaboration between an ERC and a small business firm, and strengthen the research capacity of active NSF SBIR/STTR Phase II awardees to speed the entry of their innovations into the marketplace and broaden its portfolio of marketable products through collaboration with an ERC.

Eligible Applicants: State, county, city, township or special district governments; independent school districts; public, state controlled and private institutions of higher education; small businesses; for profit organizations; nonprofit organizations.

Rolling Deadline: April 15, July 15 and October 15 through July 16, 2014

Award Amount: Up to \$50,000

Contact: Grants Management Specialist: Stephanie D. Bogan; stephanie.bogan@fda.hhs.gov.

Summer Stipends

National Endowment for the Humanities

Summer Stipends support individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both. Recipients usually produce articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources. Summer Stipends support continuous full-time work on a humanities project for a period of two months. Summer Stipends support projects at any stage of development. Summer Stipends are awarded to individual scholars. Organizations are not eligible to apply. Such projects could focus on cultures internationally or within the United States. International projects might seek to enlarge Americans' understanding of other places and times, as well as other perspectives and intellectual traditions. American projects might explore the great variety of cultural influences on, and myriad subcultures within, American society. These projects might also investigate how Americans have approached and attempted to surmount seemingly unbridgeable cultural divides, or examine the ideals of civility and civic discourse that have informed this quest.

Eligible Applicants: Individuals.

Rolling Deadline: October 4, 2012; February 4, 2013; June 4, 2013; October 4, 2013, February 4, 2014; June 4, 2014; October 3, 2014; February 4, 2015

Award Amount: Up to \$6,000

Contact: Division of Research, Room 318; 202-606-8200; stipends@neh.gov.

Measurement Science and Engineering (MSE) Research Grant Programs

National Institute of Standards and Technology

These grants are intended to encourage programs of higher education in the fields of business, engineering, and information technology and information science to design, test, and evaluate specific innovations in the teaching methods, curricula, class assignments, student projects (including capstone projects). The goal is to educate students about the impact and nature of standards and standardization so that they enter the workforce and or continue their academic studies with a strong understanding and appreciation for the value and benefits of standards and standardization. A secondary goal of this Program is to identify new approaches, methods, and models that can be replicated or built-on by other educational programs. This Cooperative Agreement Grant solicits proposals for financial assistance under the following nine programs: 1) Material Measurement Laboratory (MML) Grant Program; 2) Physical Measurement Laboratory (PML) Grant Program; 3) Engineering Laboratory (EL) Grant Program; 4) Fire Research Grant Program; 5) Information Technology Laboratory (ITL) Grant Program; 6) NIST Center for Neutron Research (NCNR) Grant Program; 7) Center for Nanoscale Science and Technology (CNST) Grant Program; 8) Standards Services Group (SSG) Grant Program; and 9) Office of Special Programs (OSP) Grant Program. Details of each program can be found in the Full Announcement for 2012-NIST-MSE-01.

Eligible Applicants: State or local governments; institutions of higher education; independent school districts; non-profit organizations; hospitals; commercial organizations.

Deadline: Rolling Basis

Award Amount: Unspecified

Contact: Christopher Hunton; 301-975-5718; christopher.hunton@nist.gov.

Environmental Sustainability

National Science Foundation

This program supports engineering research with the goal of promoting sustainable engineered systems that support human well-being and that are also compatible with sustaining natural (environmental) systems. Research in environmental sustainability typically considers long time horizons and may incorporate contributions from the social sciences and ethics. This program supports engineering research that seeks to balance society's need to provide ecological protection and maintain stable economic conditions. There are four principal general research areas which are supported, but others can be proposed by contacting the program director. 1) Green Engineering: research is encouraged to advance the sustainability of manufacturing processes, green buildings, and infrastructure. 2) Ecological Engineering: topics should focus on the engineering aspects of restoring ecological function to natural systems. 3) Earth Systems Engineering: considers aspects of large scale engineering research that involve mitigation of greenhouse gas emissions, adaptation to climate change, and other global scale concerns. 4) Industrial Ecology: include advancements in modeling such as life cycle assessment, materials flow analysis, input/output economic models, and novel metrics for measuring sustainable systems. All proposed research should be driven by engineering principles, and be presented explicitly in an environmental sustainability context.

Eligible Applicants: Unrestricted.

Deadline: February 19, 2013

Award Amount: \$300,000 to \$5,400,000

Contact: Bruce Hamilton; Program Director; bhamilto@nsf.gov.

NIDCD Phase I/II/III Clinical Trials in Communication Disorders

National Institutes of Health

This announcement is part of the NIDCDs clinical research program in communication disorders (hearing, balance, taste, smell, voice, speech and language) with the goal of producing research findings that have significant clinical use and public health impact through the design and implementation of phase III clinical trials. Phase I and II clinical trials provide data that are necessary to address core scientific, design, and clinical issues prior to the conduct of the phase III clinical trial. Phase I clinical trials test a new biomedical or behavioral intervention in a small group of people for the first time to determine efficacy and evaluate safety (e.g., determine a safe dosage range and identify side effects), in anticipation of a phase II clinical trial of preliminary efficacy. The phase I research application should directly address how the phase I study will guide the development of subsequent phase II and

III clinical trials.

Eligible Applicants: State, county, special district, city or township governments; public, state and private institutions of higher education; non-profit organizations; small businesses; for-profit organizations.

Rolling Deadline: October 4, 2012; February 4, 2013; June 4, 2013; October 4, 2013, February 4, 2014; June 4, 2014; October 3, 2014; February 4, 2015

Award Amount: Unspecified

Contact: Scientific/Research: Gordon B. Hughes, M.D.; 301-496-5061;

hughesg@nidcd.nih.gov. **Peer Review:** Melissa Stick, Ph.D.; 301-496-8683;

stickm@nidcd.nih.gov. **Financial/Grants Management:** Mr. Christopher Myers; 301-435-0713; myersc@mail.nih.gov.

Bridging Cultures at Community Colleges

National Endowment for the Humanities

This opportunity seeks proposals for a cooperative agreement to develop and administer a national or regional (multistate) project to advance the role of the humanities at community colleges through curriculum and faculty development focused on the theme of Bridging Cultures. This agency-wide initiative encourages exploration of the ways in which cultures from around the globe, as well as the myriad subcultures within America's borders, have influenced American society. With the aim of revitalizing intellectual and civic life through the humanities, NEH welcomes proposals that enhance understanding of diverse countries, peoples, and cultural and intellectual traditions worldwide. Applications might also investigate how Americans have approached and attempted to surmount seemingly unbridgeable cultural divides, or examine the ideals of civility and civic discourse that have informed this quest. Successful applicants will work in partnership with NEH to develop and implement a curriculum and professional development project for faculty members from community colleges across the United States or in a multistate region. The project will help community college faculty and administrators create new courses on Bridging Cultures themes or topics; design new course sequences, concentrations, and core curricula; or conduct scholarly research that will improve faculty preparation and enrich teaching.

Eligible Applicants: State, county, special district, city or township governments; public, state and private institutions of higher education; non-profit organizations.

Deadline: August 15, 2012

Award Amount: Up to \$360,000

Contact: Division of Education Programs; 202-606-8380; ccrfp@neh.gov.

Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities

National Institutes of Health

This Funding Opportunity Announcement (FOA), in coordination with the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National

Cancer Institute (NCI), invites grant applications from investigators interested in conducting basic research studies into the biological causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research and to provide resources for those investigators that may need additional support on their path to successfully compete for funding in basic mechanistic research in understanding cancer health disparities.

Eligible Applicants: State, county, special district, city or township governments; public, state and private institutions of higher education; independent school districts; faith-based and community organizations; non-profit organizations; for-profit organizations; small businesses; public housing authorities.

Deadline: November 20, 2014

Award Amount: Up to \$200,000

Contact: Emily Tran; 301-496-7249; trane@mail.nih.gov.

Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research

National Institutes of Health

This opportunity seeks to improve the diversity of the NCI-funded research workforce by supporting and recruiting eligible investigators from groups that have been shown to be underrepresented in the biomedical, clinical, behavioral, and social sciences including individuals from underrepresented racial and ethnic groups, individuals with disabilities, and individuals from socially, culturally, economically, or educationally disadvantaged backgrounds that have recently and demonstrably inhibited their ability to pursue a career in health-related research. Issued through the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National Cancer Institute (NCI), invites applications by investigators from diverse backgrounds underrepresented in basic and biomedical cancer research. This funding opportunity will also provide a bridge to investigators that have completed their research training and may need extra time to develop a research project grant application.

Eligible Applicants: State, county, special district, city or township governments; public, state and private institutions of higher education; independent school districts; faith-based and community organizations; non-profit organizations; for-profit organizations; small businesses; public housing authorities.

Deadline: November 20, 2014

Award Amount: Up to \$200,000

Contact: John Bucheimer; 301-631-3004; bucheimerjm@nih.gov.

Basic Cancer Research in Cancer Health Disparities

National Institutes of Health

Funding through this opportunity encourage grant applications from investigators interested in conducting basic, mechanistic research into the biologic/genetic causes of cancer health disparities. These cooperative agreement research awards will support innovative studies designed to investigate biological/genetic bases of cancer disparities, and may include the development and testing of new methodologies and models, secondary data analyses, and mechanistic studies of identified biological factors associated with cancer disparities, including those related to basic research in prevention strategies. This opportunity is also designed to aid and facilitate the development of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research who can develop resources and tools, such as biospecimens, cell lines and methods that are necessary to conduct basic research in cancer health disparities.

Eligible Applicants: State, county, special district, city or township governments; public, state and private institutions of higher education; independent school districts; faith-based and community organizations; non-profit organizations; for-profit organizations; small businesses; and public housing authorities.

Deadline: November 20, 2014

Award Amount: Up to \$250,000

Contact: Cammie La; 301-496-8649; lac@mail.nih.gov.

Phased Services Research Studies of Drug Use Prevention, Addiction Treatment, and HIV in an Era of Health Care Reform

National Institutes of Health

This funding opportunity solicits applications for Phased Innovation research projects that conduct rigorous, objective services research to monitor and examine changes in drug use prevention, addiction treatment, and associated HIV and viral hepatitis services, which may occur as a result of healthcare reform. This opportunity provides support for up to two years of research planning activities and feasibility studies, followed by possible transition of up to four years of expanded research support. The total project period for an application submitted in response to this opportunity may not exceed five years.

Eligible Applicants: State, county, special district, city or township governments; public, state and private institutions of higher education; independent school districts; faith-based and community organizations; non-profit organizations; for-profit organizations; small businesses; public housing authorities.

Deadline: August 22, 2012

Award Amount: Up to \$150,000

Contact: Edith Davis; 410-360-4734; edavis1@nida.nih.gov.

Youth Environmental Education Opportunities

Bureau of Land Management

This opportunity provides funding for youth seeking to connect with the natural world by

participating in hands-on environmental educational experiences through outdoor programs and field classrooms to youth and families, working in conjunction with a variety of schools and other youth-focused nonprofit organizations. These experiences will provide academic, experiential and environmental education opportunities in order for youth and families to gain a better understanding and appreciation of natural resource management objectives and stewardship of the land.

Eligible Applicants: State, county, special district, city or township governments; public, state and private institutions of higher education; non-profit organizations and independent school districts.

Deadline: September 14, 2012

Award Amount: \$2,000 to \$20,000

Contact: Bonnie Lippett; 503-808-2429; blippett@fs.fed.us.

Innovations in Gender Equality (IGE) to Promote Household Food Security **Agency for International Development**

The goal of this cooperative agreement is to fund programs that pilot and collect evidence of impact from innovative and bold interventions that increase women's leadership in the agriculture sector, improve women's access to and utilization of technology to increase agricultural productivity, increase labor saving technologies, strengthen gender equality in land, credit and other policies, and enhance nutritional outcomes for women and children.

Eligible Applicants: Unrestricted.

Deadline: October 31, 2012

Award Amount: \$50,000 to \$1,500,000

Contact: G. Serapis Irby; 202-567-5047; girby@usaid.gov.

Planning and Local Technical Assistance Programs Opportunity **Economic Development Administration**

Funding through this opportunity will aid communities in developing the planning and technical expertise necessary for the creation of sustainable, innovation-based economic development efforts. Resulting in increased private investment and higher-skill, higher-wage jobs in areas experiencing substantial and persistent economic distress, these programs are designed to enhance the competitiveness of regions. Under the Planning Program, EDA provides assistance to enable eligible recipients to guide the economic development efforts of a community or region through filling information gaps that may prevent leaders in the public and nonprofit sectors from making optimal decisions on local economic development issues.

Eligible Applicants: State, county, city or township governments; public, state and private institutions of higher education; non-profit organizations.

Deadline: Processed as received

Award Amount: Unspecified

Contact: Pamela Farmer; 859-421-4711; pfarmer@eda.doc.gov.

Small Scientific Conference Grant Program

Food and Drug Administration

This opportunity supports high quality, small scientific conferences, aligned with the FDA's mission, that exchange information and explore a defined subject, issue or area of concern that impacts the public's health. A small scientific conference is defined as a symposium, seminar, workshop or any formal meeting, whether conducted face-to-face or virtually.

Eligible Applicants: State, county, city, township or special district governments; independent school districts; public, state controlled and private institutions of higher education; small businesses; for profit organizations; nonprofit organizations.

Rolling Deadline: April 15, July 15 and October 15 through July 16, 2014

Award Amount: Up to \$50,000

Contact: Grants Management Specialist: Stephanie D. Bogan; stephanie.bogan@fda.hhs.gov.

Grant Opportunities for Academic Liaison with Industry

National Science Foundation

This opportunity promotes university-industry partnerships by making project funds or fellowships/traineeships available to support an eclectic mix of industry-university linkages. Special interest is focused on affording the opportunity for: Faculty, postdoctoral fellows, and students to conduct research and gain experience in an industrial setting; Industrial scientists and engineers to bring industry's perspective and integrative skills to academe; and Interdisciplinary university-industry teams to conduct research projects. This solicitation targets high-risk/high-gain research with a focus on fundamental research, new approaches to solving generic problems, development of innovative collaborative industry-university educational programs, and direct transfer of new knowledge between academe and industry.

Eligible Applicants: State or local governments; non-profit organizations; public or private institutions of higher learning; for profit organizations; individuals.

Deadline: Proposal submission dates vary by program discipline.

Estimated Total Programming Fund: \$5,000,000

Contact: Donald Senich; 703-292-7082; dsenich@nsf.gov.

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